10.3.notebook April 18, 2017

Algebra 1

Lesson 10-3

Operations with Radical Expressions

Goal: to simplify sum, differences, quotients and products

Can we add x^2 and 4x?

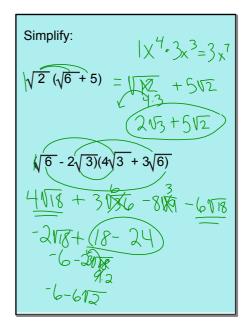
Why or why not?

How about $\sqrt{5}$ and $3\sqrt{5}$

Simplify the following:

$$3\sqrt{2} - 8\sqrt{2} = -5\sqrt{2}$$

$$5\sqrt{32} - 4\sqrt{18}$$



Simplify:

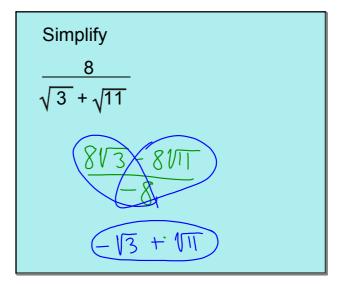
$$(\sqrt{11} - 2)^2 = (\sqrt{11} - 2)(\sqrt{11} - 2)$$

$$\frac{4}{\sqrt{5}}\sqrt{5} = \frac{4\sqrt{5}}{\sqrt{25}} = \frac{4\sqrt{5}}{5}$$

How about:

10.3.notebook April 18, 2017

To rationalize this denominator, we must use the conjugate of the bottom.



Hwk: pg 629 - 631

#10 - 42 every 4th,

48 - 56 evens, 60, 63a

Quiz tomorrow 10.1-10.3